

AMENDMENTS TO THE CLAIMS

Pursuant to 37 C.F.R. § 1.121 the following listing of claims will replace all prior versions, and listings, of claims in the application.

1-8 (Cancel)

9. (Original) An apparatus for compensating for echo signal in a telecommunications device comprising:

a first differential transmitter having an output terminal coupled to a first transmitted signal node;

a second differential transmitter having an output terminal coupled to a second transmitted signal node;

a first current limiting resistor having a first terminal coupled to the first transmitted signal node and a second terminal coupled to a first line transformer node;

a second current limiting resistor having a first terminal coupled to the second transmitted signal node and a second terminal coupled to a second line transformer node;

a first sampling resistor having a first terminal coupled to the first line transformer node and a second terminal connected to a first received signal node;

a second sampling resistor having a first terminal coupled to the second line transformer node and a second terminal connected to a second received signal node;

a first compensation circuit having a first terminal coupled to the first transmitted signal node and a second terminal coupled to the first received signal node;

a second compensation circuit having a first terminal coupled to the first transmitted signal node and a second terminal coupled to the second received signal node;

a third compensation circuit having a first terminal coupled to the second transmitted signal node and a second terminal coupled to the second received signal node; and

a fourth compensation circuit having a first terminal coupled to the second transmitted signal node and a second terminal coupled to the first received signal node.

10. (Original) An apparatus for compensating for echo signal in a telecommunications device according to claim 9 wherein,

the first compensation circuit further comprises a first compensation resistor and a first compensation capacitor connected in series;

the second compensation circuit further comprises a second compensation resistor and a second compensation capacitor connected in series;

the third compensation circuit further comprises a third compensation resistor and a third compensation capacitor connected in series; and

the fourth compensation circuit further comprises a fourth compensation resistor and a fourth compensation capacitor connected in series.

11. (Original) An apparatus for compensating for echo signal in a telecommunications device according to claim 9 wherein,

the first terminal of the first sampling resistor is coupled to the first transmitted signal node; and

the first terminal of the second sampling resistor is coupled to the second transmitted signal node.

12 (Cancel)